

FILM PROPERTIES:

(Film properties are measured in the thickness specified in the material title)

Composition	Lam	B	C	D	E	F	Sealing
	PE	PE	TIE	EVOH	TIE	PE	PE

	Unit	Value	Tolerance	Test method
Film thickness	micron	50	± 6%	ASTM D 6988-03
Density	g/cm ³	0,936 ¹	Standard value	ASTM D 4635-1
Kinetic C.O.F. (in/in)	-	0,15	Note ²	ASTM D 1894
Kinetic C.O.F. (out/out)	-	0,30		
Tensile strength (MD/TD)	MPa	30/27*	± 10%	ASTM D 882
Elongation (MD/TD)	%	685/685*	± 10%	ASTM D 882
Sealing strength (at 130°C)	N/15mm	> 20	± 10% ³	ASTM F 88-05
Surface tension (standard)	Dynes/cm	40	>38	ASTM D 2578-04a
W.V.T.R. 38°C – 90% R.H.	gr/[m ² 24h]	< 10	-	ASTM F 1249/90
O.T.R. 23°C – 0% R.H.	cc/[m ² 24h]	< 2	-	ASTM D 3985/02

FILM and ROLL'S CHARACTERISTICS:

	Unit	Value	Tolerance	Test method
Core int. diameter (min – max)	mm	76 - 152	± 3	-
Maximum ex. diameter	mm	1000	-	-
Maximum film width	mm	2200	- 0 + 5	-

FILM SHELF LIFE:

It is recommended to use our product within 12 months from the date of the label.

The product must be stored in the range of temperature 15°C<T< 30°C, RH 40-70% and must not be exposed to direct sunlight or heat sources.

HANDLING and STORAGE:

Handle the pallets with care and do not stack more than 2 pallets. Store in a cool and well ventilated place far from incompatible material. Do not handle, store or open near to naked flames, sources of heat or ignition. Protect the material from direct sunlight. The material will accumulate electrostatic charges which can cause sparks (a source of ignition).

CAUTION:

Adhesives, hardeners, special converting conditions jointly to printing inks and corresponding additives can generate dramatic variations of sealing performances and COF values. These components can also create smell and substances not predicted in converting specifications. Unforeseen phenomena are not caused by the polyethylene.

Comar has no responsibility on these issues.

SIGNED:

Managing Director:
 Giorgio Marinelli

¹ In white films the density value grows.

² Your requests for different C.O.F. will be valued by our R&D (Kinetic COF≤0.15 +/-0.03, Kinetic COF>0.15 +/-0.05).
 In coloured films the C.O.F. value could increase (only few points).

* Indicative values: in dependence of blow-up ratio.

³ Seal time = 0.5 s - pressure=1.5 bar.

Our consulting and declaration activities (written or under verbal forms) are based on our best experiences. However they must not be considered as guarantee of specific performances, so doing customers should evaluate the products for the own specific uses and processing parameters. Applications, uses and transformation take place outside of our specific control and they are under specific customers' responsibility.